

FIG. 3

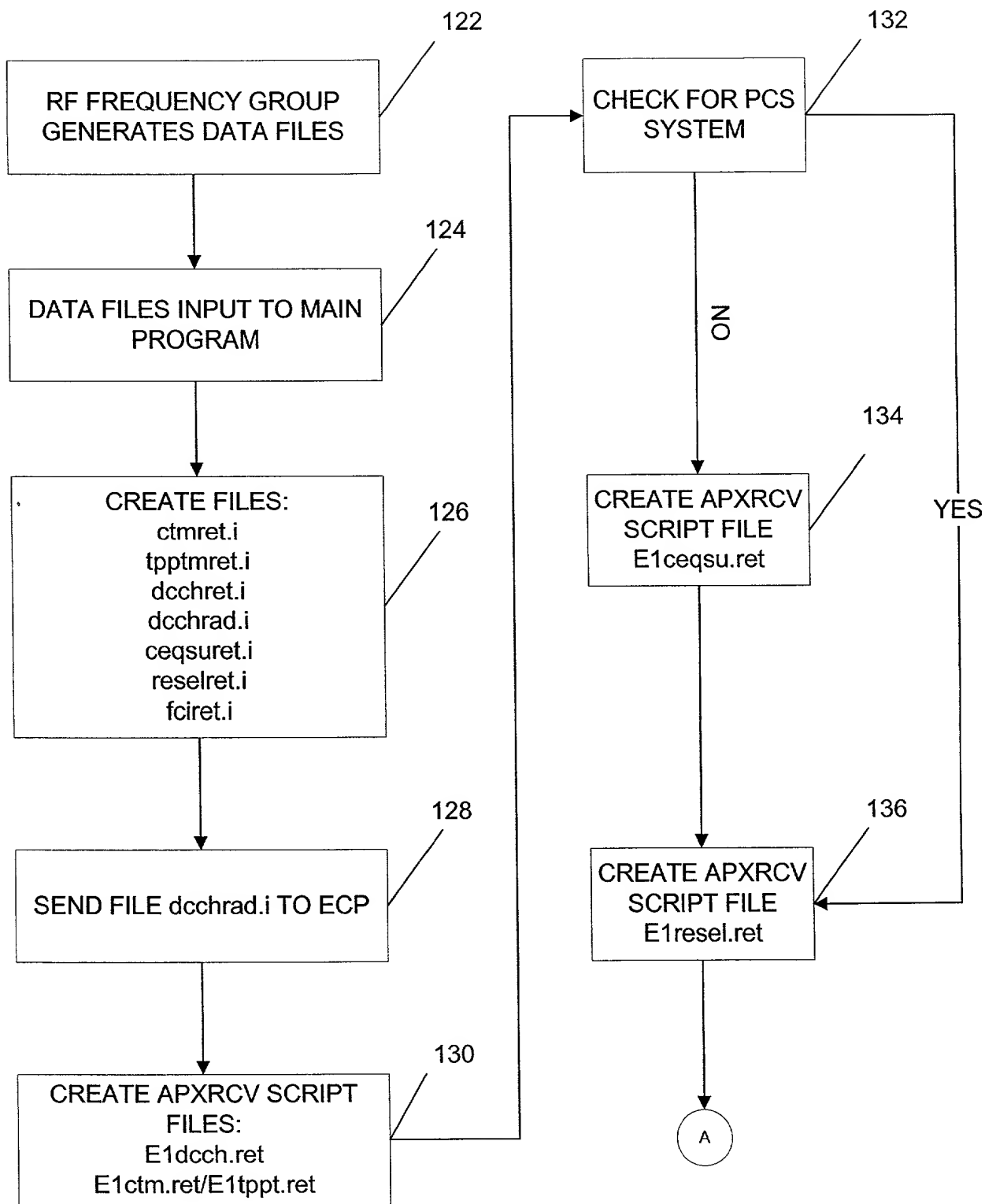


FIG. 4A

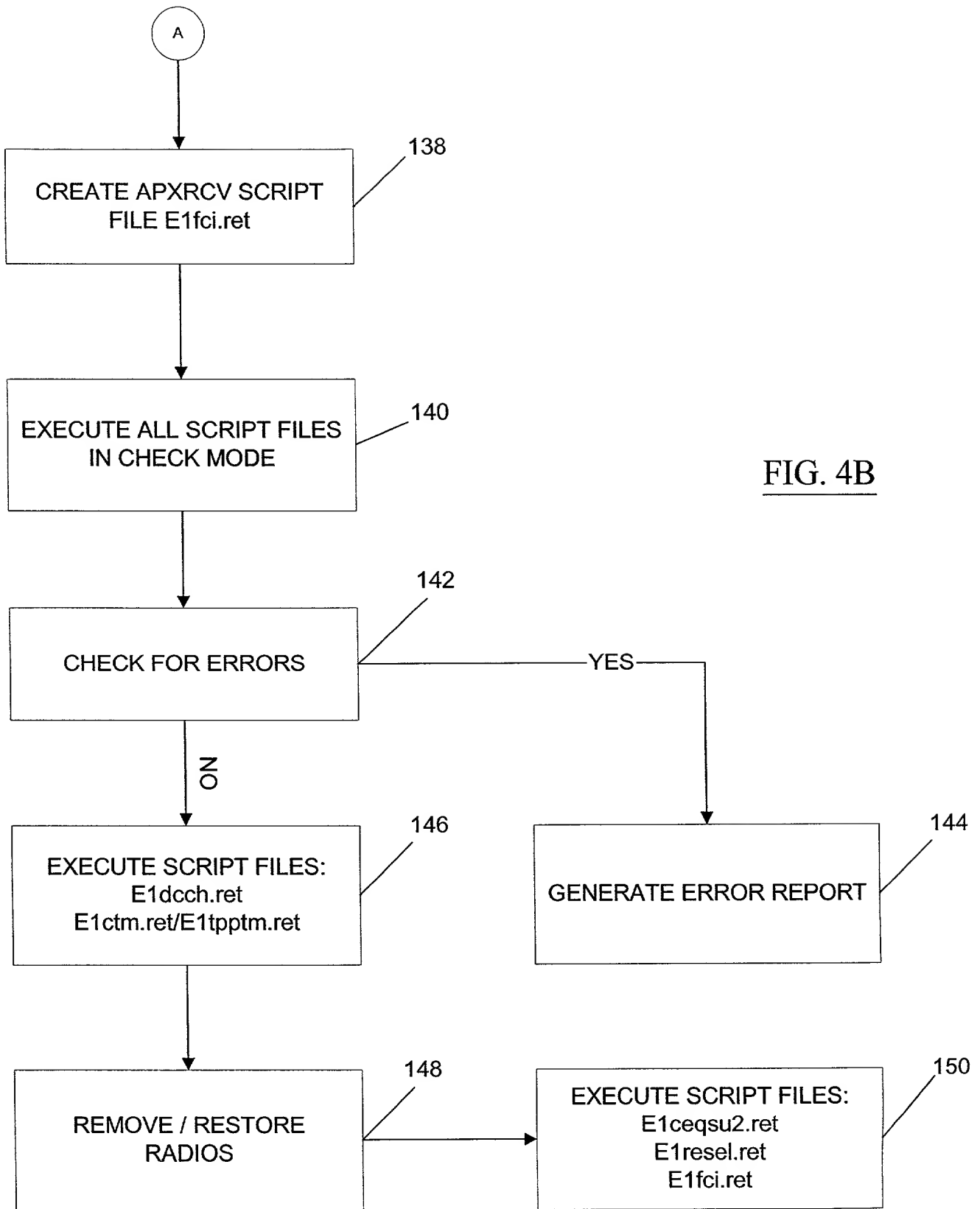


FIG. 4B

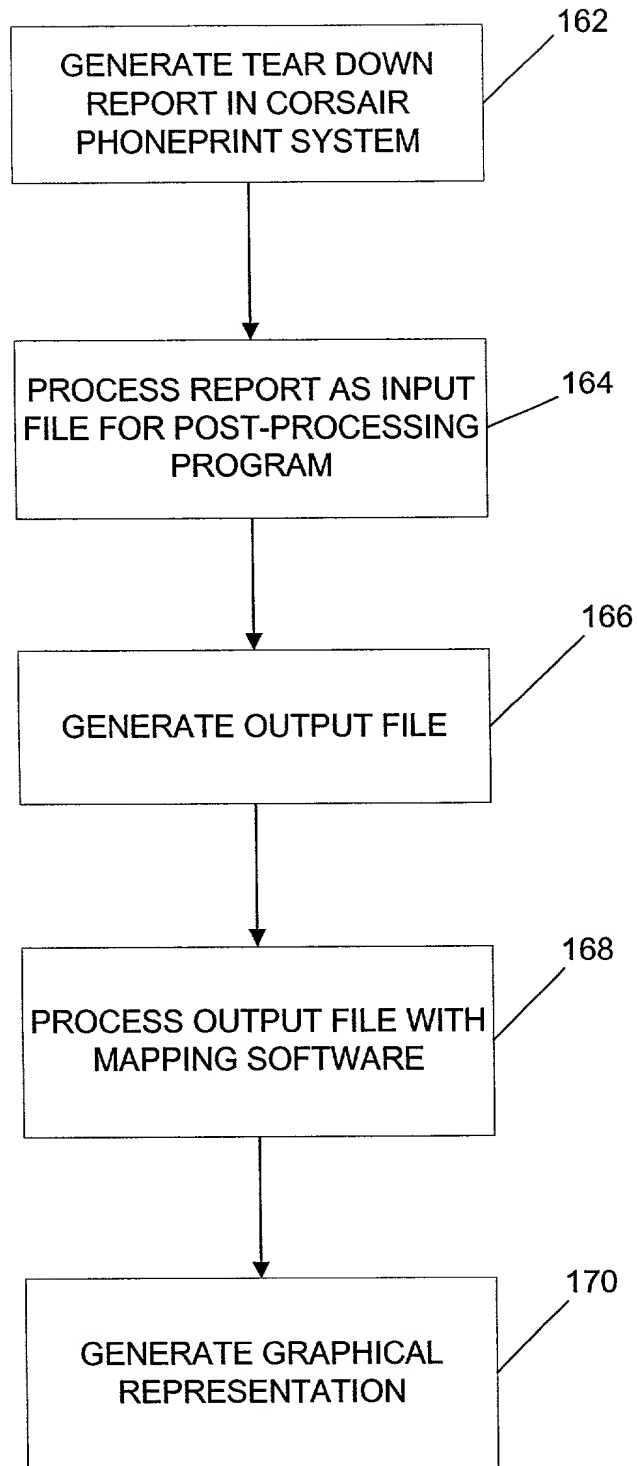


FIG. 5

0062221544560

>pg pp9912.txt

Date	Time(2)	Site_ID	MIN(1)	Dialed_Digits	Tear-Down_Reason	
12/25/99	19:26:09	20		2012075854	12014981322	MFG
12/23/99	14:56:20	219		2012075854	5617767114	MFG
12/26/99	21:40:32	167		2012130072	19547814445	MFG
12/23/99	19:06:49	82		2012134416	9544289147	MFG
12/23/99	19:06:23	82		2012134416	9544289147	MFG
12/25/99	17:23:55	82		2012134416	9544285083	MFG
12/25/99	15:06:20	82		2012134416	2015680907	MFG
12/25/99	13:04:16	82		2012134416	2015680907	MFG
12/25/99	13:04:05	82		2012134416	2015680907	MFG
12/25/99	13:03:53	82		2012134416	2015680907	MFG
12/25/99	13:03:31	82		2012134416	2015680907	MFG
12/25/99	13:01:49	82		2012134416	2015680907	MFG
12/25/99	12:53:38	82		2012134416	2015680907	MFG
12/25/99	12:52:32	82		2012134416	2015680907	MFG
12/25/99	12:52:03	82		2012134416	2015680907	MFG
12/25/99	12:50:48	82		2012134416	2015680907	MFG
12/25/99	12:48:15	82		2012134416	2015680907	MFG
12/25/99	12:47:16	82		2012134416	5680907 MFG	
12/24/99	11:58:50	82		2012134416	8003328463	MFG
12/24/99	11:58:08	82		2012134416	8003328463	MFG
12/24/99	10:03:16	82		2012134416	9544289147	MFG
12/22/99	14:58:09	80		2012300764	19546467166	MFG
12/29/99	10:54:28	177		2012400657	19086881800	MFG
12/29/99	10:51:49	177		2012400657	9412503698	MFG
12/29/99	10:25:04	145		2012400657	12012400657	MFG
12/29/99	10:24:42	145		2012400657	12012400657	MFG
12/27/99	21:26:01	49		2012476225	15616551115	MFG
12/24/99	19:22:48	219		2012476225	15615551212	MFG
12/24/99	19:22:26	219		2012476225	15615551212	MFG
12/24/99	19:22:06	219		2012476225	15615551212	MFG
12/24/99	19:13:38	219		2012476225	5617950022	MFG
12/27/99	12:01:06	20		2012476225	15614996976	MFG
12/23/99	16:23:47	12		2012640686	3105152822	MFG
12/23/99	16:17:19	12		2012640686	3105152822	MFG
12/23/99	16:17:03	12		2012640686	3105152822	MFG

FIG. 6

```

7pg map1293
ECP,CellNo,Longitude,Latitude,Count
3,1,-80.1675,26.155278,148
3,5,-80.361111,25.699444,209
1,6,-80.171667,26.36.675
1,7,-80.114167,26.562778,173
1,8,-80.109722,26.760556,76
3,9,-80.317222,25.679444,311
3,10,-80.266667,25.747222,115
4,12,-80.29,26.183333,268
3,13,-80.422778,25.526111,164
4,15,-80.123056,25.854167,510
4,16,-80.198611,26.248889,401
1,18,-80.088889,26.45,380
1,20,-80.058611,26.651944,216
4,22,-80.210833,25.848611,138
4,23,-80.128889,26.085833,844
4,25,-80.288889,25.845556,55
1,26,-80.201111,26.630833,251
4,27,-80.204722,25.93,590
3,28,-80.360833,25.596667,255
3,29,-80.333889,25.649444,584
4,30,-80.415,26.086389,207
4,31,-80.175833,26.121944,128
1,37,-80.681389,26.686667,213
4,40,-80.364444,25.828333,156
4,42,-80.286944,25.920556,147
4,43,-80.168056,26.024722,333
3,46,-80.129167,25.793611,2694
3,47,-80.238611,25.811389,121
1,49,-80.051667,26.711944,381
4,50,-80.160556,25.908611,187
4,52,-80.26,26.121667,456
4,53,-80.105556,26.136389,501
3,54,-80.383333,25.653056,81
4,55,-80.249444,26.268333,314
3,56,-80.294722,25.703889,184
3,57,-80.315,25.808333,21
3,58,-80.265278,25.788333,267
4,60,-80.25,25.891667,205
4,61,-80.090833,26.230278,147
4,64,-80.211667,26.0175,595

```

FIG. 7

006221" 65475460

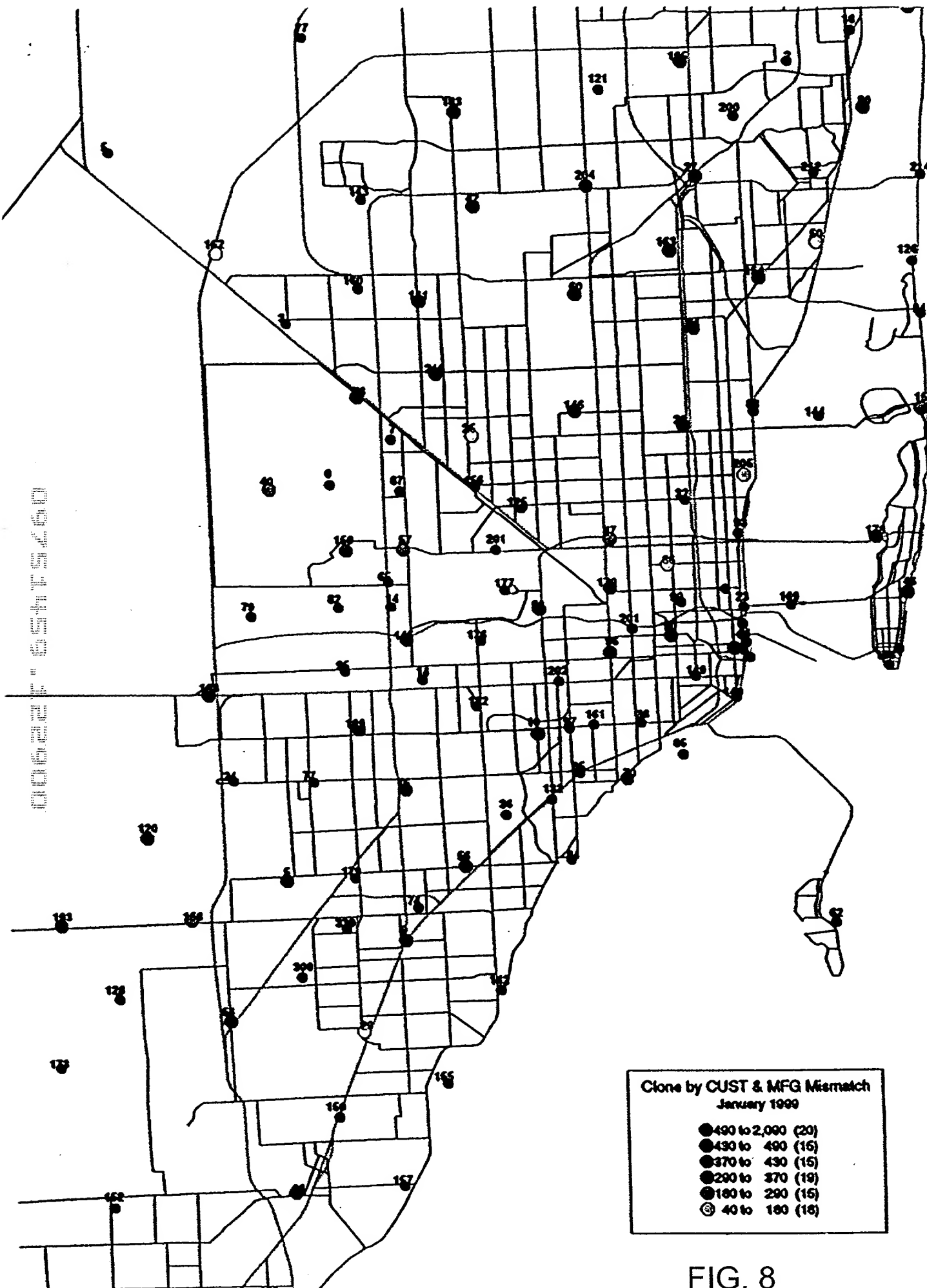


FIG. 8

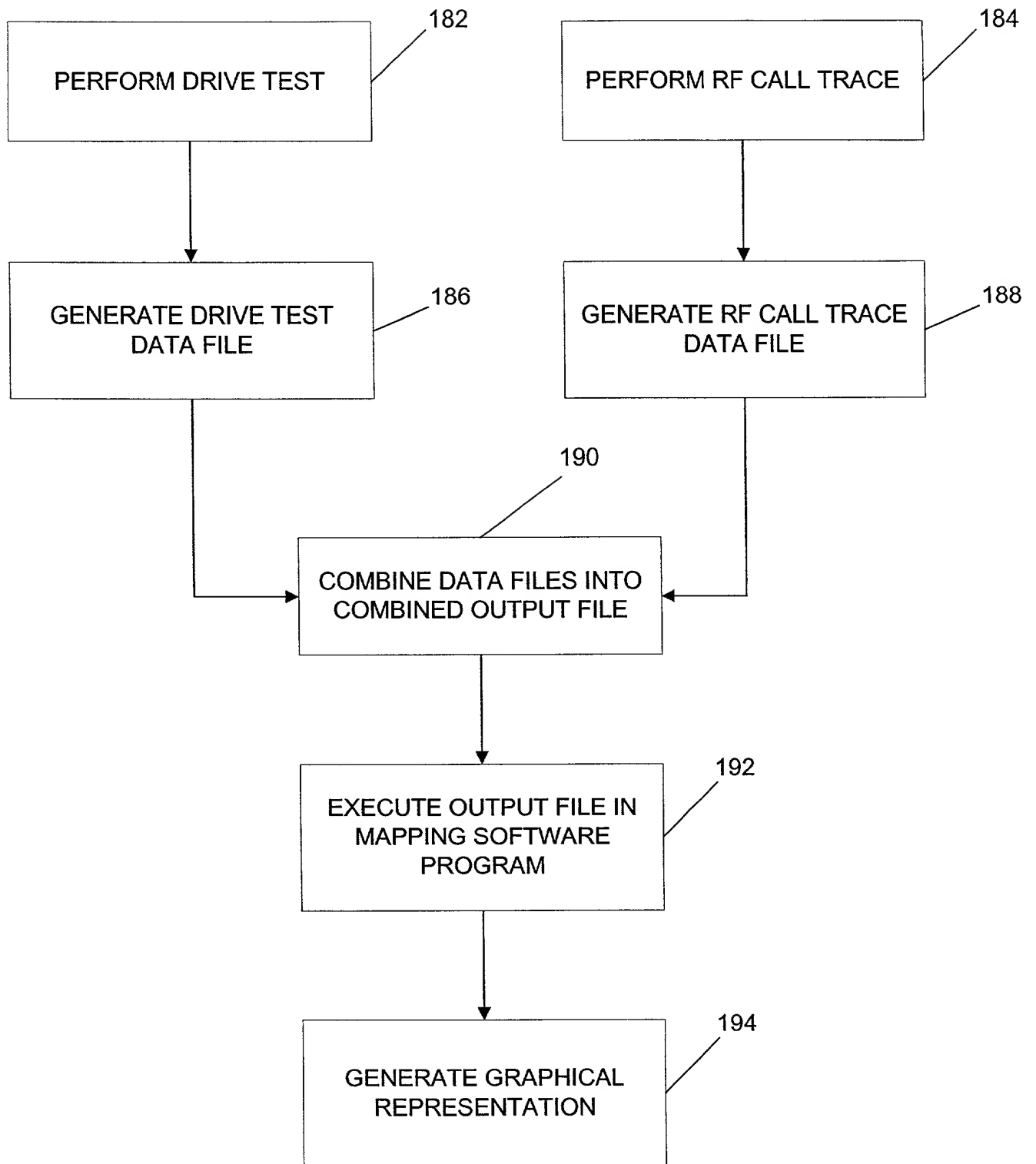


FIG. 9

SAMPLE Ericsson log

MOBILE TELEPHONY CELL TRAFFIC RECORDING
DIGITAL SIGNAL STRENGTH MEASUREMENTS

MSNB	CELL	DEV	SSFVC	SSRVC
9412580201	T017C	MDVC-1060	23	20
SSSTRVC	BERFVC	BERRVC	RBERRVC	FERRVC
6	3	2	2	0
BQRC	TDRVC	FREQERR	TIMEALIGN	MSPOW
15	0	1	0	2
NCELL	NSSFFMC	MEASCHAN	VIND	
T017A	5	1260	Y	
T017B	23	1272	Y	
T006B	17	1300	Y	
T016B	13	1305	Y	
T004A	29	1251	Y	
T005B	33	1302	Y	
T005A	23	1290	Y	
T018A	21	1294	Y	
T154B	21	1303	Y	
TIME	PRINTIND	FCODE		
11:08:27	0			

END

MOBILE TELEPHONY CELL TRAFFIC RECORDING CANDIDATE LIST FOR
HANDOFF

MSNB	CELL	TIME	FCODE	URGENCY
9412580201	T017C	11:08:27		0
CANDCELL	CELLTYPE	NTYPE	RATING	
T005B	0	STD		0

END

FIG. 10

Variable	Mean	SD	Min	Max
Age	34.5	10.5	18	65
Gender	Male			
Marital status	Married			
Education	High school			
Occupation	Manager			
Income	10,000	5,000	5,000	20,000
Health status	Good			
Exercise frequency	3 times/week			
Dietary habits	Healthy			
Stress level	Low			
Sleep quality	Good			
Work-life balance	Good			
Family support	High			
Community involvement	Active			
Life satisfaction	High			
Overall well-being	High			

Variable	Mean	SD	Min	Max
Age	34.5	10.5	18	65
Gender	Male			
Marital status	Married			
Education	High school			
Occupation	Manager			
Income	10,000	5,000	5,000	20,000
Health status	Good			
Exercise frequency	3 times/week			
Dietary habits	Healthy			
Stress level	Low			
Sleep quality	Good			
Work-life balance	Good			
Family support	High			
Community involvement	Active			
Life satisfaction	High			
Overall well-being	High			

Variable	Mean	SD	Min	Max
Age	34.5	10.5	18	65
Gender	Male			
Marital status	Married			
Education	High school			
Occupation	Manager			
Income	10,000	5,000	5,000	20,000
Health status	Good			
Exercise frequency	3 times/week			
Dietary habits	Healthy			
Stress level	Low			
Sleep quality	Good			
Work-life balance	Good			
Family support	High			
Community involvement	Active			
Life satisfaction	High			
Overall well-being	High			

FT

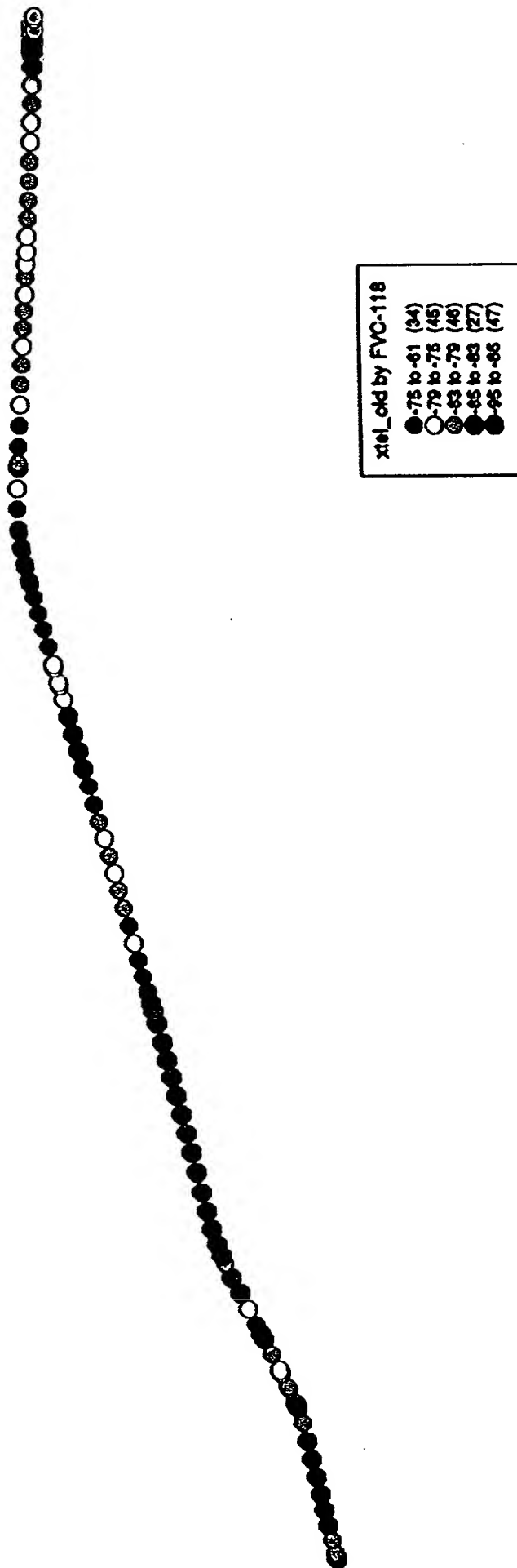
--

R,RBER,FER,BQ,TD,FREQ,TIME,MS,PRINT
DEV,FVC,RVC,TDRVC,FVC,RVC,RVC,RVC,RVC,RVC,ERR,ALIG

28.0069725,9412580201,T017C,MDVC-
15,0,1,0,2,0
28.0069725,9412580201,T017C,MDVC-
15,0,1,0,2,0
28.0069856,9412580201,T017C,MDVC-
15,0,2,0,2,1
28.0069856,9412580201,T017C,MDVC-
15,0,2,0,2,1
28.0070392,9412580201,T005B,MDVC-
2,0,4,0,2,1
28.0072014,9412580201,T005B,MDVC-
7,0,4,0,2,1
28.0072014,9412580201,T005B,MDVC-
7,0,4,0,2,1
28.0073900,9412580201,T005B,MDVC-
8,0,3,0,2,1
28.0073900,9412580201,T005B,MDVC-
8,0,3,0,2,1
28.0075761,9412580201,T005B,MDVC-
7,0,5,0,2,1
28.0075761,9412580201,T005B,MDVC-
7,0,5,0,2,1
992,9412580201,T005B

FIG. 11B

FIG. 12



— — — — —

13:20:01.2,25.230,-81.456

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.....

.....

13.21.00.3,28.655,-81.2128

Table 1. Demographic characteristics of the study population	
Age (years)	Mean (SD)
Male	65.2 (10.5)
Female	68.5 (11.2)
Education (years)	Mean (SD)
Male	12.5 (2.1)
Female	11.8 (2.3)
Marital status	
Married	72.5%
Divorced	15.2%
Widowed	12.3%
Single	0.0%
Occupation	
Retired	85.5%
Unemployed	14.5%
Income (USD/month)	Mean (SD)
Male	1,200 (300)
Female	1,100 (250)
Health status	
Good	60.0%
Fair	25.0%
Poor	15.0%
Very poor	0.0%
Comorbidities	
Hypertension	45.0%
Diabetes	30.0%
Cholesterol	20.0%
Arthritis	15.0%
Depression	10.0%
Medication use	
Yes	75.0%
No	25.0%
Number of medications	Mean (SD)
Male	2.5 (1.5)
Female	2.0 (1.2)
Health insurance	
Yes	80.0%
No	20.0%
Access to healthcare	
Yes	90.0%
No	10.0%
Healthcare utilization	
Yes	70.0%
No	30.0%
Healthcare satisfaction	
Yes	65.0%
No	35.0%
Healthcare access barriers	
Yes	40.0%
No	60.0%
Healthcare cost barriers	
Yes	30.0%
No	70.0%
Healthcare quality barriers	
Yes	20.0%
No	80.0%
Healthcare provider barriers	
Yes	15.0%
No	85.0%
Healthcare facility barriers	
Yes	10.0%
No	90.0%
Healthcare information barriers	
Yes	5.0%
No	95.0%
Healthcare communication barriers	
Yes	3.0%
No	97.0%
Healthcare transportation barriers	
Yes	2.0%
No	98.0%
Healthcare availability barriers	
Yes	1.0%
No	99.0%
Healthcare accessibility barriers	
Yes	0.5%
No	99.5%
Healthcare equity barriers	
Yes	0.2%
No	99.8%
Healthcare justice barriers	
Yes	0.1%
No	99.9%
Healthcare dignity barriers	
Yes	0.0%
No	100.0%
Healthcare respect barriers	
Yes	0.0%
No	100.0%
Healthcare privacy barriers	
Yes	0.0%
No	100.0%
Healthcare security barriers	
Yes	0.0%
No	100.0%
Healthcare safety barriers	
Yes	0.0%
No	100.0%
Healthcare effectiveness barriers	
Yes	0.0%
No	100.0%
Healthcare efficiency barriers	
Yes	0.0%
No	100.0%
Healthcare quality of care barriers	
Yes	0.0%
No	100.0%
Healthcare patient-centeredness barriers	
Yes	0.0%
No	100.0%
Healthcare evidence-based practice barriers	
Yes	0.0%
No	100.0%
Healthcare research barriers	
Yes	0.0%
No	100.0%
Healthcare innovation barriers	
Yes	0.0%
No	100.0%
Healthcare leadership barriers	
Yes	0.0%
No	100.0%
Healthcare governance barriers	
Yes	0.0%
No	100.0%
Healthcare management barriers	
Yes	0.0%
No	100.0%
Healthcare organizational barriers	
Yes	0.0%
No	100.0%
Healthcare cultural barriers	
Yes	0.0%
No	100.0%
Healthcare social barriers	
Yes	0.0%
No	100.0%
Healthcare environmental barriers	
Yes	0.0%
No	100.0%
Healthcare community barriers	
Yes	0.0%
No	100.0%
Healthcare system barriers	
Yes	0.0%
No	100.0%
Healthcare policy barriers	
Yes	0.0%
No	100.0%
Healthcare regulation barriers	
Yes	0.0%
No	100.0%
Healthcare accreditation barriers	
Yes	0.0%
No	100.0%
Healthcare certification barriers	
Yes	0.0%
No	100.0%
Healthcare licensure barriers	
Yes	0.0%
No	100.0%
Healthcare registration barriers	
Yes	0.0%
No	100.0%
Healthcare credentialing barriers	
Yes	0.0%
No	100.0%
Healthcare privileging barriers	
Yes	0.0%
No	100.0%
Healthcare monitoring barriers	
Yes	0.0%
No	100.0%
Healthcare evaluation barriers	
Yes	

FIG. 13A

00622T 6545260

Time, Long, Lat, CellNo, SS,
12:41:29, 28.6559300, -81.205792000, 1353, -124
12:41:29, 28.6559300, -81.205792000, 201, -106
12:41:29, 28.6559300, -81.205792000, 32, -106
12:41:29, 28.6559300, -81.205792000, 321, -76
12:41:29, 28.6559300, -81.205792000, 323, -66
12:41:29, 28.6559300, -81.205792000, 831, -100
12:41:30, 28.6559260, -81.205580000, 323, -66
12:41:31, 28.6559170, -81.205380000, 321, -75
12:41:31, 28.6559170, -81.205380000, 321, -75
12:41:31, 28.6559170, -81.205380000, 323, -64
12:41:32, 28.6559080, -81.205198000, 323, -63
12:41:33, 28.6558950, -81.204922000, 321, -73
12:41:33, 28.6558950, -81.204922000, 323, -62
12:41:34, 28.6558900, -81.204769000, 321, -73
12:41:34, 28.6558900, -81.204769000, 321, -73
12:41:34, 28.6558900, -81.204769000, 322, -98
12:41:34, 28.6558900, -81.204769000, 323, -61
12:41:35, 28.6558900, -81.204577000, 1353, -124
12:41:35, 28.6558900, -81.204577000, 201, -105
12:41:35, 28.6558900, -81.204577000, 202, -106
12:41:35, 28.6558900, -81.204577000, 32, -105
12:41:35, 28.6558900, -81.204577000, 323, -63
12:41:35, 28.6558900, -81.204577000, 831, -99
12:41:37, 28.6558970, -81.204219000, 321, -73
12:41:37, 28.6558970, -81.204219000, 323, -67
12:41:38, 28.6559000, -81.204044000, 321, -74
12:41:38, 28.6559000, -81.204044000, 323, -67
12:41:38, 28.6559000, -81.204044000, 321, -74
12:41:38, 28.6559000, -81.204044000, 323, -67
12:41:40, 28.6559020, -81.203683000, 1353, -122
12:41:40, 28.6559020, -81.203683000, 202, -104
12:41:40, 28.6559020, -81.203683000, 32, -105
12:41:40, 28.6559020, -81.203683000, 321, -73
12:41:40, 28.6559020, -81.203683000, 322, -96
12:41:40, 28.6559020, -81.203683000, 323, -67
12:41:41, 28.6559070, -81.203457000, 321, -72
12:41:41, 28.6559070, -81.203457000, 323, -66
12:41:42, 28.6559100, -81.203125000, 321, -71
12:41:42, 28.6559100, -81.203125000, 323, -66

FIG. 13B

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```

v----- Record # 1: -----v
05/10/99 13:22:05 ALM INF 4103 7 32 G TC 457
Call Monitor: Call Record has been Written in RAM disk
Ph#:(407)9223002 Call clear by MS - mobile clear
v----- Record # 2: -----v
05/10/99 13:22:04 ALM INF 4113 7 32 G TC 457
Call Monitor: Call RSSI value
(407)9223002 cell 323 rrssi -77 attn 4 snr 40
v----- Record # 3: -----v
05/10/99 13:22:04 ALM INF 4117 7 32 G SRC
Call Monitor: Adj. cell RSSI values from Scanning Rcvr.
(407)9223002 Cell_id/RSSI: 323 / -73
v----- Record # 264: -----v
05/10/99 13:21:00 ALM INF 4117 7 20 A SRC
Call Monitor: Adj. cell RSSI values from Scanning Rcvr.
(407)9223002 Cell_id/RSSI: 201 / -98
v----- Record # 265: -----v
05/10/99 13:21:00 ALM INF 4117 7 32 B SRC
Call Monitor: Adj. cell RSSI values from Scanning Rcvr.
(407)9223002 Cell_id/RSSI: 322 / -103
v----- Record # 266: -----v
05/10/99 13:21:00 ALM INF 4117 7 83 A SRC
Call Monitor: Adj. cell RSSI values from Scanning Rcvr.
(407)9223002 Cell_id/RSSI: 831 / -96
v----- Record # 267: -----v
05/10/99 13:21:00 ALM INF 4117 7 32 A SRC
Call Monitor: Adj. cell RSSI values from Scanning Rcvr.
(407)9223002 Cell_id/RSSI: 321 / -78
v----- Record # 268: -----v
05/10/99 13:21:00 ALM INF 4117 7 135 G SRC
Call Monitor: Adj. cell RSSI values from Scanning Rcvr.
(407)9223002 Cell_id/RSSI: 1353 / -113
v----- Record # 269: -----v
05/10/99 13:21:00 ALM INF 4117 7 20 B SRC
Call Monitor: Adj. cell RSSI values from Scanning Rcvr.
(407)9223002 Cell_id/RSSI: 202 / -100
v----- Record # 270: -----v
05/10/99 13:21:00 ALM INF 4113 7 32 G TC 457
Call Monitor: Call RSSI value
(407)9223002 cell 323 rrssi -72 attn 4 snr 40
v----- Record # 271: -----v
05/10/99 13:21:00 ALM INF 4117 7 32 G SRC
Call Monitor: Adj. cell RSSI values from Scanning Rcvr.
(407)9223002 Cell_id/RSSI: 323 / -71
v----- Record # 272: -----v
05/10/99 13:21:00 ALM INF 4117 7 3 B SRC
Call Monitor: Adj. cell RSSI values from Scanning Rcvr.
(407)9223002 Cell_id/RSSI: 32 / -115

```

FIG. 14

00622T 654T5260



FIG. 15

